

INFO-HAMS Digest

Thu, 19 Oct 89

Volume 89 : Issue 781

Today's Topics:

Cellular Tel Info Needed  
News From OSCAR-11 130ct89  
Phonepatches to San Fransisco  
RC on 6M  
Yaesu FT790MKII for OSCAR?

---

Date: 20 Oct 89 00:22:21 GMT

From: psuvm!auvm!redelman@psuvax1.cs.psu.edu (Richard B. Edelman)

Subject: Cellular Tel Info Needed

Can anyone recommend a good >>technical<< book on how cellular telephone works?

Thanks,

Dick KH6RE

REDELMAN@AUVM.BITNET

---

Date: 15 Oct 89 01:49:03 GMT

From: unisoft!hoptoad!peora!tsdiag!ka2qhd!kd2bd@ucbvax.Berkeley.EDU (John Magliacane Wall Township NJ)

Subject: News From OSCAR-11 130ct89

\*\*UOSAT 2 COMPUTER STATUS INFORMATION\*\*

FAD1 OPERATING SYSTEM V2.0

TODAY'S DATE IS 14 /10 /89

UNIVERSAL TIME IS 14 :51 :29 DAY 7

AUTO MODE IS SELECTED

SPIN PERIOD IS - 185

Z MAG FIRINGS = 0

+ SPIN FIRINGS = 63

- SPIN FIRINGS = 0

RAM WASH POINTER AT C94F

WOD COMMENCED 14 /10 /89 AT 0 :0 :10

WITH CHANNELS 10 ,11 ,19 ,29 ,

LAST CMD RECEIVED WAS 109 TO 0 WITH DATA 0

ATTITUDE CONTROL INITIATED, MODE 1

DIGITALKER ACTIVE

\*\*\*\*

UoSAT-OSCAR-11

BULLETIN - 200

13th October 1989 \*\*\*\*

UoSAT MISSION CONTROL CENTRE

University of Surrey, Guildford, Surrey, GU2 5XH, England

\*\* UoSAT-OSCAR-9 \*\*

Current information suggests that UoSAT-OSCAR-9 re-entered the earth's atmosphere and burned up on the morning of Friday 13th October, after over 8 years of operation. The last telemetry received in the UK was at 22:00 GMT on Thursday 12th October. The University of Surrey Command Station would be interested in receiving any telemetry taken after this time.

\*\* UoSAT-D and -E Status \*\*

Two weeks ago, Arianespace postponed the launch of the rocket which is to carry SPOT-2, UoSATs-D and -E and the four Microsats into orbit. Early this week, UoSAT and AMSAT teams were formally notified that the new launch date is 19 January, 1990; the launch campaign will start some six weeks earlier, at the end of November.

The launch delay will allow for more thorough testing of UoSAT-D and -E. This began on 29 Sept., when engineers from the European Space Agency Technical Center (ESTEC) came to perform final check-out of the Transputer Data Processing Experiment (TDPE) and its interface to the UoSAT-E CCD camera. These tests demonstrated the potential complexity and flexibility of the UoSAT-D/E onboard data handling system: Groundstation software was used to load TDPE programs as "blocks" to the standard UoSAT FORTH DIARY running on the 1802 On-Board Computer (OBC). The OBC then loaded these programs to the TDPE using the Transputers' built-in serial bootloaders using the UoSAT Data Sharing (DASH) bus. The TDPE then commanded the CCD camera to take a picture, the picture was transferred from the camera to TDPE at 5 Megabits/Second, and finally the TDPE downloaded the image at 9600 bits/sec. to the "groundstation" using a simple asynchronous packet format.

The optics and the electronics of the UoSAT-E CCD camera were designed by engineers at UoSAT. The design is expected to provide Earth imaging with a resolution of approximately 2.7 kilometres and an image size of 740 x 960 km. The image is 386 pixels X 244 pixels with 8-bits of grey scale per pixel. Images will be transmitted on the UoSAT-E downlink to all radio amateurs, probably using AX.25 packet radio (generated by yet another on-board computer, a CMOS Z80).

The mandatory flight-acceptance vibration tests were conducted this week back at the Royal Aerospace Establishment, and both satellites passed without hitch. UoSAT-D and -E are now in the clean room at the University of Surrey, where they will undergo nearly two months of operational tests, and provide testing grounds for the PACSAT and experimental software which is now under

development at Surrey.

\*\* \$BID \*\*

Please use BID \$UOSAT.200 for PR BBS use.

--

UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd  
PACKET : KD2BD @ NN2Z (John)  
... "There is no expedient to which a man will not resort to  
avoid the real labor of thinking." ....Sir Joshua Reynolds.

-----

Date: 19 Oct 89 18:03:07 GMT  
From: vsi1!wyse!stevew@ames.arc.nasa.gov (Steve Wilson xttemp dept303)  
Subject: Phonepatches to San Fransisco

In article <2511@jarthur.Claremont.EDU> jlulejia@jarthur.UUCP (John J. Lulejian) writes:  
> Stuff deleted due primarily to length  
>  
>John Lulejian, KA6TCY  
>President, Claremont Colleges ARC

First off, I responded directly to the original poster in a similar manner but from a different perspective, I'm an EC for the city of Milpitas here in Santa Clara county.

John's statement about most of the real emergency traffic being handled on VHF is accurate. There is also a REAL balancing act about accepting third party Health&Welfare(H&W) traffic. The situation THIS TIME was that there were a large number of HF operators with working phones in the local area who could accept H&W traffic as was apparently the same case in the Mexico quake. This wan't the case in the Armenian quake, etc, and there still is THOUSANDS of peices of traffic that are being held by a certain ham that have yet to be delivered to Armenia!

Moral of the story is be responsible! Don't promise what you can't deliver, and simply use common sense! If you hear lotsa different stations in the effected area accepting H&W traffic then go for it. If you hear a couple stations on the air and all they are passing is messages like "we need generators," or "send the National Guard" don't break in with your H&W traffic because the have more important things to handle!

The people here who are accepting H&W traffic aren't really interfereing with the important stuff at hand, if they try we just tell them to

go handle it themselves because we're to busy.

Hope that clarifies the situations.

73's all de Steve KA6S

-----  
Date: 19 Oct 89 20:27:13 GMT  
From: philmtl!philabs!ttidca!sorgatz@uunet.uu.net ( Avatar)  
Subject: RC on 6M

In article <98.253A1033@linkit.linkit.wd5efc.ampr.org>  
Chris.Boone@linkit.linkit.wd5efc.ampr.org (Chris Boone) writes:  
+ (dont forget the new 6M freqs...donot use the 53Mhz  
+range!!!!the 50.8-51Mhz range is NOW the area for RCs)  
+

No offense, OM, but most of us in 6 land DO USE the 53MHz freqs for R/C because of the simple fact that the QRP nature of R/C transmitters tends to not disturb VHF Television Channel 2. Now I know that in NEWINGTON, CONN this is of no great concern, since they don't use TV Ch 2, but here it's a matter of survival! The ARRL 6 meter band plan is badly out of tune...look at the band plans that SMIRK (HQ for which is in 5 land, I believe..) or the Southern California Six Meter Club have offered. They put the LOW POWER device operation at the top of the band, and repeaters a bit lower; for this very reason. 50.5 - 51 is used for simplex around here.

'73! and Happy Landings,

--  
-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+  
Citicorp(+)TTI \*-----> panic trap; type = N+1 \*  
3100 Ocean Park Blvd. (213) 450-9111, ext. 2973 +-----+  
Santa Monica, CA 90405 {csun,philabs,randvax,trwrb}!ttidca!ttidcb!sorgatz \*\*

-----  
Date: 19 Oct 89 22:59:57 GMT  
From: psuvm!afz1@psuvax1.cs.psu.edu  
Subject: Yaesu FT790MKII for OSCAR?

Hello all ---

Has anyone out there any experience with the Yaesu all mode 440 rig?  
I am particularly interested in how well it works for OSCARs.

Pse direct any comments via e-mail or packet.  
tnx es 73 de Ahmad, N3FLX/9M2DX.

e-mail : afz1@psuvm.bitnet  
Packet : n3flx@wa7sso.pa.usa.net

End of INFO-HAMS Digest V89 Issue #781

\*\*\*\*\*